Sulfide by lodometric Met SM 18 th 4500-S ²⁻ E	hod					Page 1 of 1		
Facility Name:			VEL	AP 1	[D			
Assessor Name:	Assessor Name:Analyst Name:		Inspection Date					
Relevant Aspect of Stand	ards	Method Reference	Y	N	N/A	Comments		
Records Examined: SOP N	Number/ Revision/ Date			_ An	alyst:_			
Sample ID:	Date of Sample Preparation:	[ate	of A	nalysis	S:		
sulfides treated in the field vertex settle and flocculate, and the	ted for the determination of dissolved with aluminum chloride, allowed to be clear supernatant collected for e? (Step may be omitted if sample tter.)	4500-S ²⁻ B						
When samples are pre-treadissolved sulfides, does the documentation include a re-		2003 NELAC 5.5.7.3						
Are samples preserved with	ı zinc acetate?	4500-S ²⁻ A.3						
	ate solution standardized with bi-iodate e lab may purchase standardized	4500-S ²⁻ E.1.c, 4500-O C.2.e						
0.0250N Na ₂ S ₂ O ₃ using sta	solution standardized against arch solution as indicator? ourchase standardized iodine	4500-S ²⁻ E.1.b						
	tion estimated to be an excess over nt, placed into a flask, and diluted with nL?	4500-S ²⁻ E.2.a						
Is 2 mL of 6N HCl added to	the aliquot of iodine solution?	4500-S ²⁻ E.2.a						
Is a 200 mL aliquot of samp sample under the solution s	ole pipetted into the flask, discharging surface?	4500-S ²⁻ E.2.a						
If iodine color disappears, is remains?	s more iodine added so that color	4500-S ²⁻ E.2.a						
	with Na ₂ S ₂ O ₃ solution, adding a few the end point is approached, and isappears?	4500-S ²⁻ E.2.a						
	inc and ZnS is filtered out, is the filter 100 mL water, retreated with iodine	4500-S ²⁻ E.2.b						
Are results calculated using	the following formula?	4500-S ²⁻						

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$mg~S^{2}/L = \underline{[(AxB) - (CxD)]~x~16000}$ $mL~sample$ $where:$ $A= mL~iodine~solution$ $B= normality~of~iodine~solution$ $C= mL~Na_2S_2O_3~solution$ $D= normality~of~Na_2S_2O_3~solution$	E.3
Are 5% or more of the samples analyzed in duplicate?	1020B.6
When samples are pre-treated in the field (flocculation), is the analysis result reported as Dissolved Sulfide?	2003 NELAC 5.5.10.2.h
Notes/ Comments:	